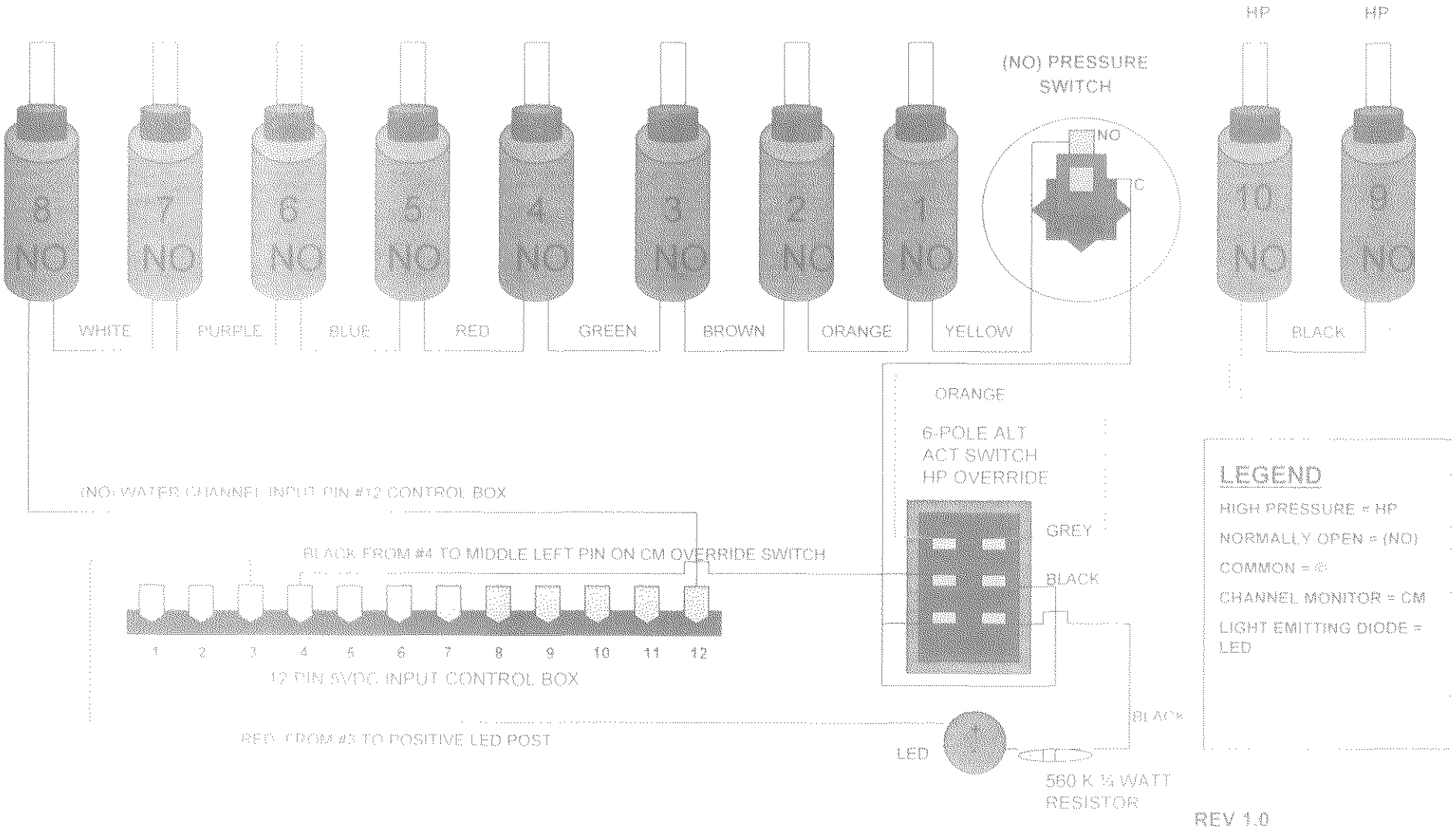
HIGH PRESSURE FLOW SWITCH OVERRIDE SYSTEM

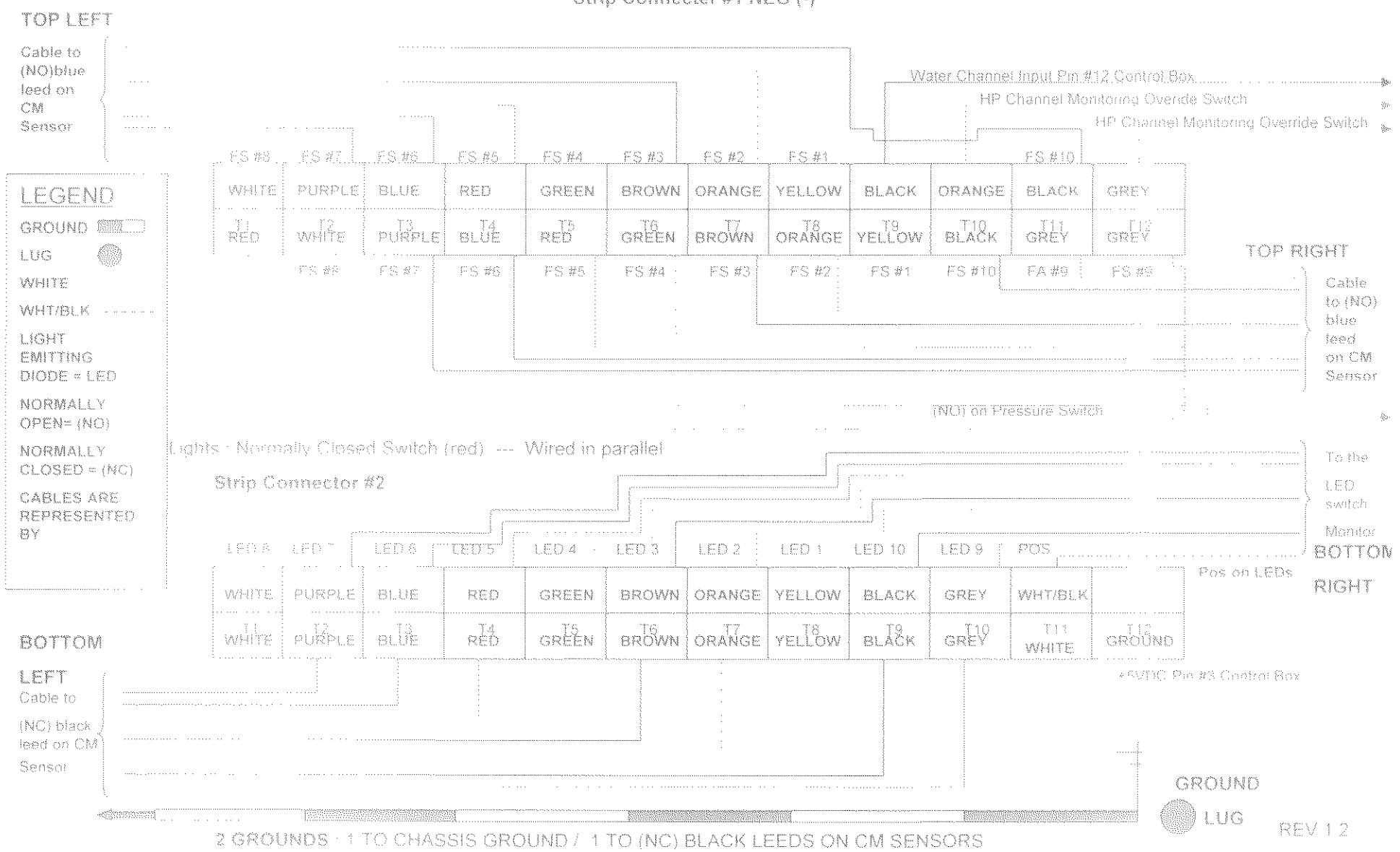


REV 1.0

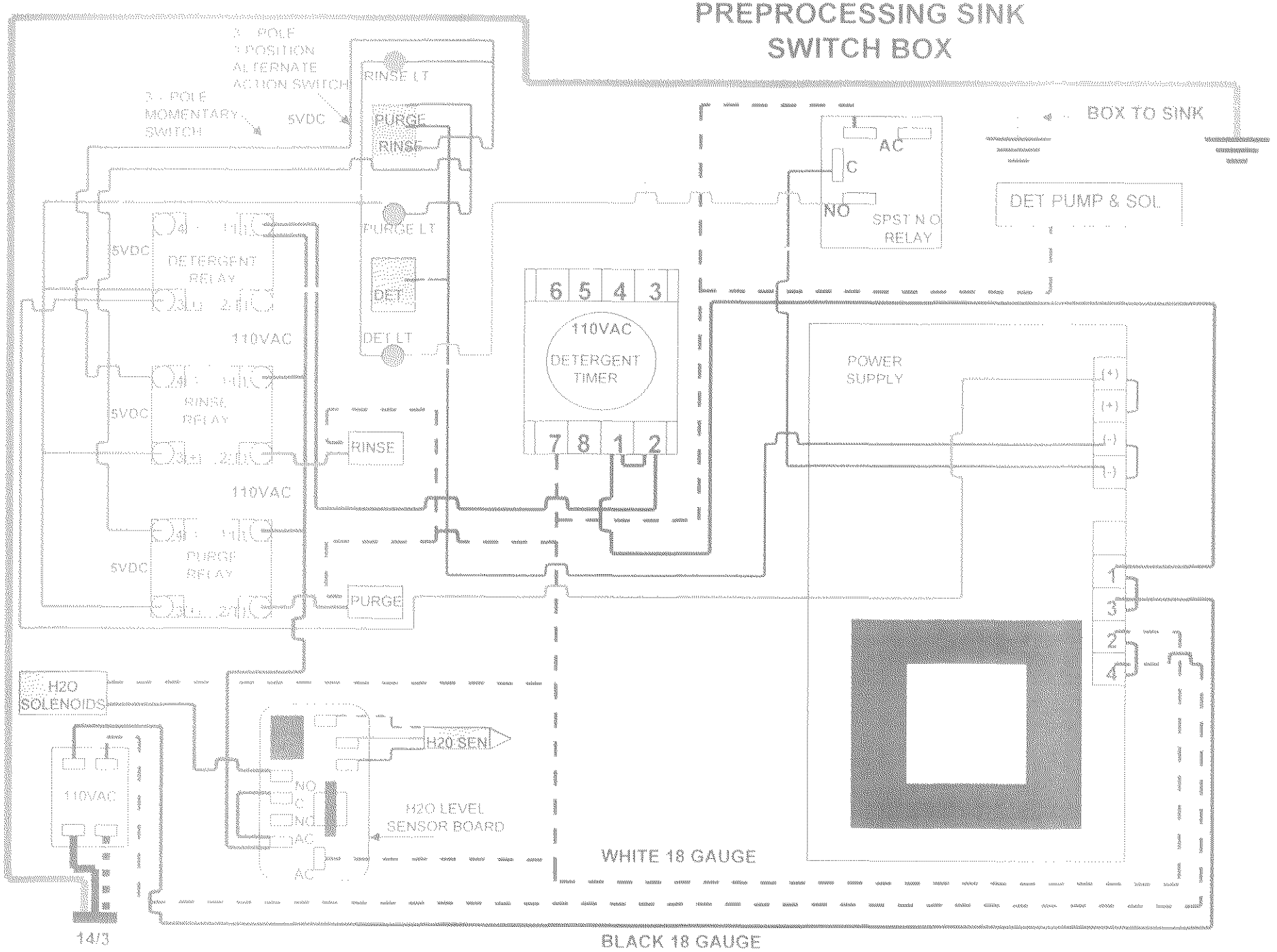
Wiring Diagram for Sys 83TM
Flow Switches (Bank of 10)

Water Channel / Normally Open Switch (Black) --- Wired in series

Strip Connecter #1 NEG (-)


TOP LEFT
Cable to (NO)blue leed on CM Sensor
LEGEND
GROUND
LUG
WHITE
WHT/BLK
LIGHT EMITTING DIODE = LED
NORMALLY OPEN= (NO)
NORMALLY CLOSED = (NC)
CABLES ARE REPRESENTED BY
Water Channel Input Pin #12 Control Box
HP Channel Monitoring Override Switch
HP Channel Monitoring Override Switch
FS #9 FS #7 FS #8 FS #6 FS #5 FS #4 FS #3 FS #2 FS #1 FS #10
WHITE PURPLE BLUE RED GREEN BROWN ORANGE YELLOW BLACK ORANGE BLACK GREY
T1 RED T2 WHITE T3 PURPLE T4 BLUE T5 RED T6 GREEN T7 BROWN T8 ORANGE T9 YELLOW T10 BLACK T11 GREY T12 GREY
FS #8 FS #7 FS #6 FS #5 FS #4 FS #3 FS #2 FS #1 FS #10 FA #9 FS #9
TOP RIGHT
Cable to (NO) blue leed on CM Sensor
(NO) on Pressure Switch
Lights - Normally Closed Switch (red) --- Wired in parallel
Strip Connector #2
To the LED switch Monitor
LED 8 LED 7 LED 6 LED 5 LED 4 LED 3 LED 2 LED 1 LED 10 LED 9 POS
WHITE PURPLE BLUE RED GREEN BROWN ORANGE YELLOW BLACK GREY WHT/BLK
T1 WHITE T2 PURPLE T3 BLUE T4 RED T5 GREEN T6 BROWN T7 ORANGE T8 YELLOW T9 BLACK T10 GREY T11 WHITE T12 GROUND
Pos on LEDs
BOTTOM RIGHT
+5VDC Pin #3 Control Box
BOTTOM LEFT
Cable to (NC) black leed on CM Sensor
GROUND
LUG
2 GROUNDS - 1 TO CHASSIS GROUND / 1 TO (NC) BLACK LEEDS ON CM SENSORS
REV 1 2

ACTUATOR BOX
POWER SUPPLY
AC POWER SOURCE
LATCHING RELAY MODULE
TERMINAL BLOCK
SWITCH
CONNECTION
POWER SUPPLY
AC POWER SOURCE
LATCHING RELAY MODULE
TERMINAL BLOCK
SWITCH
CONNECTION


PREPROCESSING SINK
SWITCH BOX
3 - POLE
3 POSITION
ALTERNATE
ACTION SWITCH
3 - POLE
MOMENTARY
SWITCH
5VDC
RINSE LT
PURGE
RINSE
PURGE LT
DET
DET LT
BOX TO SINK
AC
C
NO
SPST N O
RELAY
DET PUMP & SOL
5VDC
DETERGENT
RELAY
110VAC
6 5 4 3
110VAC
DETERGENT
TIMER
7 8 1 2
POWER
SUPPLY
5VDC
RINSE
RELAY
RINSE
110VAC
5VDC
PURGE
RELAY
PURGE
H2O
SOLENOIDS
H20 SEN
110VAC
NO
C
NC
AC
AC
H2O LEVEL
SENSOR BOARD
WHITE 18 GAUGE
14/3
BLACK 18 GAUGE